

**BLAKELY
SOKOLOFF
TAYLOR &
ZAFMAN LLP**

3200 Park Center Drive, Suite 700
Costa Mesa, California 92626-7149
Telephone: (714) 557-3800
Facsimile: (714) 557-3347

#4
Petro
4/19/02

FACSIMILE TRANSMITTAL SHEET

Deliver To: Attn: Licensing Review
Company: U.S. Patent and Trademark Office
Facsimile: (703) 305-6384
From: Roger W. Blakely, Jr.
Date: March 18, 2002
Number of Pages: 44 (Including Cover Sheet)
Operator: Jessica Clark
Our Reference: 004711.P006

SUBJECT: U.S. Patent Application No. 09/894,344

REMARKS: On December 10, 2001 we mailed a Petition for Retroactive Foreign Filing License, which has apparently never been received by the Patent Office. A copy of the complete package as mailed follows.

We respectfully request that the Petition be filed on this date and the fee charged to our Deposit Account 02-2666.

Please contact me if there are any questions.

CONFIDENTIALITY NOTE: The documents accompanying this facsimile transmission contain information from the law firm of Blakely, Sokoloff, Taylor & Zafman which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.

If you do not receive all the pages, or if there is any difficulty in receiving, please call: (714) 557-3800 and ask for the operator named above.

**BLAKELY
SOKOLOFF
TAYLOR &
ZAFMAN LLP**

3200 Park Center Drive, Suite 700
Costa Mesa, California 92626-7149
Telephone: (714) 557-3800
Facsimile: (714) 557-3347

FACSIMILE TRANSMITTAL SHEET

Deliver To:	Attn: Joyce Brown
Company:	U.S. Patent and Trademark Office
Facsimile:	(703) 305-7658
From:	Jessica Clark
Date:	April 19, 2002
Number of Pages:	45 (Including Cover Sheet)
Operator:	Jessica Clark
Our Reference:	004711.P006

SUBJECT:	U.S. Patent Application No. 09/894,344
REMARKS:	Per our telephone conversation, following is a copy of the Petition of Retroactive License for the case referenced above, as originally mailed on December 10, 2001 and subsequently faxed on March 18, 2002. Thank you so much for your assistance in this matter.

CONFIDENTIALITY NOTE: The documents accompanying this facsimile transmission contain information from the law firm of Blakely, Sokoloff, Taylor & Zafman which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.

If you do not receive all the pages, or if there is any difficulty in receiving, please call: (714) 557-3800 and ask for the operator named above.

Application No.: 09/894,344 Filing Date: 06/28/01 BSTZ Docket #: 4711P008 Atty/Sec: RWB/jc
Date Mailed: 12/10/2001 Docket Due Date(s): Client: Paradigm Wireless Systems Inc.
Title METHOD AND GEO-LOCATION DATA INTERPOLATION AND COMPRESSION

Inventor(s) Nam, Chen, Nordrup

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- | | |
|---|---|
| <input type="checkbox"/> Amendment: (___ pgs) | <input type="checkbox"/> Information Disclosure Statement & PTO/SB/08 (___ pgs) |
| <input type="checkbox"/> Appeal Brief & two copies (___ pgs) | <input type="checkbox"/> Issue Fee Transmittal (original & copy) |
| <input type="checkbox"/> Application:
(___ pages w/ cover & abstract) | <input type="checkbox"/> Notice of Appeal |
| <input type="checkbox"/> Assignment & Cover Sheet (___ pgs) | <input checked="" type="checkbox"/> Petition for: <u>Retroactive License (3</u> |
| <input checked="" type="checkbox"/> Certificate of Mailing | <input type="checkbox"/> Request for Continued Examination (RCE) |
| <input type="checkbox"/> Continued Prosecution Application (CPA) | <input type="checkbox"/> Reply Brief (___ pgs) |
| <input type="checkbox"/> Declaration & POA (___ pgs) | <input type="checkbox"/> Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i) |
| <input type="checkbox"/> Drawings: ___ sheets, ___ figures | <input type="checkbox"/> Request to Rescind Previous Nonpublication Request |
| <input type="checkbox"/> Express Mail No: ___ | <input type="checkbox"/> Response to Notice of Missing Parts & Formalities Letter |
| <input type="checkbox"/> Extension of Time: ___ | <input type="checkbox"/> Terminal Disclaimer |
| <input checked="" type="checkbox"/> Fee Transmittal (original & copy) | <input type="checkbox"/> Transmittal of Formal Drawings |
| <input checked="" type="checkbox"/> Other <u>Statement in Support of Petition for Retroactive</u> | <input type="checkbox"/> Transmittal of Publication Fee Due |
| <u>License (2 pgs); Exhibits</u> | <input checked="" type="checkbox"/> Transmittal Letter |
| | <input checked="" type="checkbox"/> Check No. <u>12792</u> In the Amount of <u>\$130.00</u> |
| | <input type="checkbox"/> Check No. In the Amount of |

CM

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, LLP

3200 PARK CENTER DRIVE, SUITE 700
COSTA MESA, CA 92626



24-Hour Banking
1-800-673-3555

90-2287
1211

12792

Date 12/10/01

PAY ONE HUNDRED THIRTY AND NO/100***** DOLLARS \$ 130.00

TO
THE
ORDER
OF

Director of the United States Patent
and Trademark Office

Roger W. Blakely
AUTHORIZED SIGNATURE

⑈012792⑈ ⑈121122676⑈ ⑈64301268359⑈

DO NOT CASH THIS CHECK UNLESS YOU CAN SEE THE WORDS "CHECK PROTECT" ON REVERSE SIDE

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

AMOUNT

\$ 130.00

DATE

DESCRIPTION

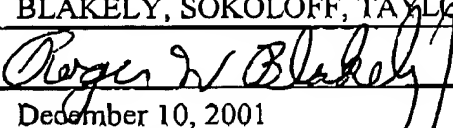
12/10/2001 U.S. Patent and Trademark Office patent petition fee for
retroactive foreign filing license for METHOD AND GEO-LOCATION
DATA INTERPOLATION AND COMPRESSION
Application No. 09/894,344
Filed June 28, 2001
Inventors: KI Y. Nam et al.
004711.P006 RWB/jc
Paradigm Wireless Systems, Inc.


12792

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application No.	09/894,344
		Filing Date	June 28, 2001
		First Named Inventor	Ki Y. Nam
		Group Art Unit	
		Examiner Name	
Total Number of Pages in This Submission	41	Attorney Docket Number	4711P006

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px;"> Petition for Retroactive License; Verified Statement in Support of Petition for Retroactive License; Exhibits </div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Roger W. Blakely, Jr., Reg. No. 25,831 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	December 10, 2001

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail with sufficient postage in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on:			
December 10, 2001			
Typed or printed name	Jessica A. Clark	Date	December 10, 2001
Signature			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 130.00

Complete if Known

Application No. 09/894,344
Filing Date June 28, 2001
First Named Inventor Ki Y. Nam
Examiner Name
Group/Art Unit
Attorney Docket No. 4711P006

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
- Deposit Account Number 02-2666
- Deposit Account Name Blakely, Sokoloff, Taylor & Zafman LLP
- ☒ Charge Any Additional Fee(s) Required Under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.
- ☒ Applicant claims small entity status. See 37 CFR 1.27.

2. ☒ Payment Enclosed:
- ☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$) 130.00

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below
Independent Claims	**	
Multiple Dependent	**	

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple Dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater. For Reissues, see below

FEE CALCULATION (continued)

3. ADDITIONAL FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	130.00
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

Other fee (specify)

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 130.00

SUBMITTED BY

Name (Print/Type) Roger W. Blakely, Jr.

Signature *Roger W. Blakely, Jr.*

Registration No. (Attorney/Agent) 25,831

Complete (if applicable)

Telephone (714) 557-3800

Date 12/10/01

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2039.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$) **130.00**

Complete if Known

Application No.	09/894,344
Filing Date	June 28, 2001
First Named Inventor	Ki Y. Nam
Examiner Name	
Group/Art Unit	
Attorney Docket No.	4711P006

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **02-2666**

Deposit Account Name **Blakely, Sokoloff, Taylor & Zafman LLP**

☒ Charge Any Additional Fee(s) Required Under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

☒ Applicant claims small entity status. See 37 CFR 1.27.

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES

Total Claims - ** = X =
Independent Claims - ** = X =
Multiple Dependent =

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple Dependent claim. If not paid	
109	84	209	42	**Reissue independent claims over original patent	
110	18	210	9	**Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$)

***or number previously paid, if greater. For Reissues, see below*

FEE CALCULATION (continued)

3. ADDITIONAL FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	130.00
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					
Other fee (specify) _____					
* Reduced by Basic Filing Fee Paid					
SUBTOTAL (3) (\$) 130.00					

SUBMITTED BY

Name (Print/Type) **Roger W. Blakely, Jr.**

Registration No. (Attorney/Agent) **25,831**

Telephone **(714) 557-3800**

Signature *Roger W. Blakely, Jr.*

Date **12/10/01**

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2039.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ki Y. Nam et al

Application No.: 09/894,344

Filed: June 28, 2001

For: METHOD AND GEO-LOCATION DATA
INTERPOLATION AND COMPRESSION

PETITION FOR RETROACTIVE LICENSE (37 C.F.R. §5.25)

Attn: Licensing and Review
Assistant Commissioner for Patents
Washington, DC 20231-9998

Sir:

It is respectfully requested that this petition for license for foreign filing be granted retroactively under the provisions of 37 C.F.R. §5.25.

1. Previous License

Attached hereto as Exhibit A is a copy of the foreign filing license issued on the corresponding provisional application before the export. Also attached hereto, as Exhibit B, is a copy of the foreign filing license issued on the present application after the export.

2. Material Filed Abroad Without a License

Attached hereto as Exhibit C is a copy of the material that was filed abroad without a license for foreign filing.

3. Identification of Inventors, Title of Intention and Details of Corresponding U.S. Application

Inventors: Ki Y. Nam, Gallin C. Chen, William J. Northrup

Title: Method and Geo-Location Data Interpolation and
Compression

U.S. Application No.: 09/894,344

Filing Date: June 28, 2001

Earlier U.S. Provisional Application No.: 60/215,740

Provisional Filing Date: June 28, 2000

4. Foreign Countries and Dates of Filing of Material for which Retroactive License is Requested

Foreign Country	Date
Argentina	July 2, 2001

5. Verified Statement

Attached hereto as Exhibit D is the verified statement of Roger W. Blakely, Jr. which confirms that, in accordance with 37 C.F.R. §5.25(a)(3)(i)-(iii),

a. the subject matter in question was not under a secrecy order at the time it was filed abroad and is not currently under a secrecy order;

b. the license is being diligently sought after discovery of the proscribed foreign filing; and

c. an explanation of why the material was filed abroad through error and without deceptive intent without the required license under §5.11 first having been obtained.

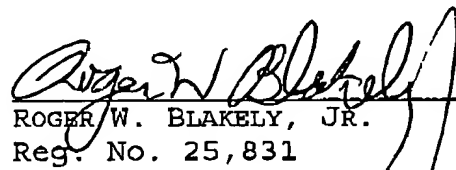
6. Fee

The fee for this petition for retroactive license is paid by a check in the amount of \$130.00 enclosed herewith. Please charge any additional fees required by this paper or credit any overpayment to Deposit Account No. 02-2666. A duplicate of the Fee Transmittal is enclosed for deposit account purposes.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

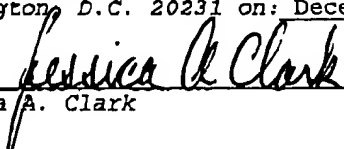
Dated: December 10, 2001


ROGER W. BLAKELY, JR.
Reg. No. 25,831

12400 Wilshire Boulevard,
Seventh Floor
Los Angeles, California 90025
(714) 557-3800

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Attn: Licensing and Review, Assistant Commissioner for Patents, Washington, D.C. 20231 on: December 10, 2001.


Jessica A. Clark

12/10/2001
Date

EXHIBIT A

FILING RECEIPT



OC00000005345346

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark OfficeAddress: ASSISTANT SECRETARY AND
COMMISSIONER OF PATENT AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
60/215,740	06/29/2000		75	004711.P006Z	1		

RWB

Roger W Blakely Jr
Blakely Sokoloff Taylor & Zafman LLP
12400 Wilshire Blvd
Seventh Floor
Los Angeles, CA 90025-1026

RECEIVED
SEP 12 2000

BLAKELY, JR.

JULIAN

Date Mailed: 08/23/2000

Receipt is acknowledged of this provisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Ki Y. Nam, Newport Beach, CA ;
Gallin C. Chen, Huntington Beach, CA ;
William J. Northrup, Oceanside, CA ;

Continuing Data as Claimed by Applicant

Foreign Applications

If Required, Foreign Filing License Granted 08/22/2000

** SMALL ENTITY **

Title

Method and geo-location data interpolation and compression

Preliminary Class

Data entry by : ROBINSON, YOLANDA

Team : OIPE

Date: 08/23/2000

RECEIVED
SEP 12 2000
BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP
COSTA MESA

ENTERED

SEP 10 2000

STATUS DBA

APR. 19. 2002 12:57PM

BST&Z - CM

NO. 1398 P. 12

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 36 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

PLEASE NOTE the following information about the Filing Receipt:

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents
Office of Initial Patent Examination
Customer Service Center
Washington, DC 20231

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ki Y. Nam et al

Application No.: 09/894,344

Filed: June 28, 2001

For: METHOD AND GEO-LOCATION DATA
INTERPOLATION AND COMPRESSION

VERIFIED STATEMENT IN SUPPORT OF
PETITION FOR RETROACTIVE LICENSE (37 C.F.R. §5.25)

Attn: Licensing and Review
Assistant Commissioner for Patents
Washington, DC 20231-9998

I, Roger W. Blakely, Jr., hereby verify, in accordance with
37 C.F.R. §5.25(a)(3)(i)-(iii), that:

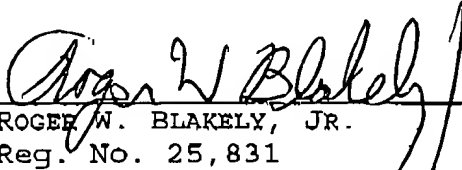
a. the subject matter in question was not under a secrecy
order at the time it was filed abroad and is not currently under
a secrecy order;

b. the license is being diligently sought after discovery
of the proscribed foreign filing; and

c. the subject application was based on a provisional
application for which a foreign filing license was issued. The
foreign filing occurred through error and without deceptive
intent based on that foreign filing license. Because the
undersigned is informed that the subject application, while still
drawn to the same invention, includes certain additional

disclosure, this retroactive license is requested to prevent any subsequent argument that a license was required and that the application was foreign filed without that license.

Dated: December 10, 2001



ROGER W. BLAKELY, JR.
Reg. No. 25,831

12400 Wilshire Boulevard,
Seventh Floor
Los Angeles, California 90025
(714) 557-3800

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Attn: Licensing and Review, Assistant Commissioner for Patents, Washington, D.C. 20231 on: December 10, 2001.



Jessica A. Clark

12/10/2001
Date



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

RWB
Paradigm Wireless Sys.

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/894,344	06/28/2001	2681	507	4711P006	4	28	5

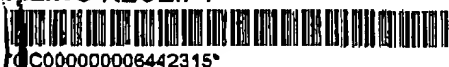
CONFIRMATION NO. 6453

08791

BLAKELY SOKOLOFF TAYLOR & ZAFMAN
12400 WILSHIRE BOULEVARD, SEVENTH FLOOR
LOS ANGELES, CA 90025

RECEIVED
AUG 23 2001

FILING RECEIPT



C000000006442315

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN
LOS ANGELES

Date Mailed: 08/17/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

ENTERED
AUG 23 2001

Applicant(s)

Ki Y. Nam, Newport Beach, CA;
Gallin C. Chen, Huntington Beach, CA;
William J. Northrup, Oceanside, CA;

STATUS DB-LA

AUG 24 2001

Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/215,740 06/29/2000

Foreign Applications

If Required, Foreign Filing License Granted 08/17/2001

Projected Publication Date: 01/03/2002

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Method for geo-location interpolation and compression

Preliminary Class

455

Data entry by : KIBERT, MULUEMEBET

Team : OIPE

Date: 08/17/2001

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

PLEASE NOTE the following information about the Filing Receipt:

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 500 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents
Office of Initial Patent Examination
Customer Service Center
Washington, DC 20231

EXHIBIT B

2 establishing a plurality of references, each having reference positional data and an
3 identification (ID) code;
4 determining the geographical location (geo-location) of a mobile unit operating in a
5 region;
6 receiving a compressed geo-location data of the mobile unit and a reference data of
7 a reference covering said region; and
8 recovering the geo-location of the mobile unit by comparing the compressed geo-
9 location data against a reference positional data, said reference positional data obtained
10 from the received reference data.

1 7. A method of claim 6, wherein determining the geo-location of the mobile
2 unit using a Global Position System.

1 8. A method of claim 6, wherein the compressed geo-location data is in units of
2 latitude and longitude.

1 9. A method of claim 8, wherein the compressed geo-location data includes at
2 most one least significant degree digit of the latitude and at most two least significant
3 degree digits of the longitude.

1 10. A method of claim 9, wherein recovering the most significant degree digit of
2 the latitude and at least the most significant degree digit of the longitude.

1 11. A cellular network comprising:
2 a plurality of cellular systems, each having reference positional data;
3 a mobile unit within a region covered by a cellular system, the mobile unit capable
4 of determining the geographical location (geo-location) of the mobile unit; and

an application service provider (ASP) to receive compressed geo-location data of the mobile unit and to determine the geo-location of the mobile unit by comparing the compressed geo-location data against the reference positional data of the reference covering said region.

12. A network of claim 11, wherein the mobile unit determines the geo-location using a Global Position System.

13. A network of claim 11, wherein the compressed geo-location data is in units of latitude and longitude.

14. A network of claim 13, wherein the compressed geo-location data includes at most one least significant degree digit of the latitude and at most two least significant degree digits of the longitude.

15. A network of claim 14, wherein the ASP determines the most significant degree digit of the latitude and at least the most significant degree digit of the longitude.

16. A method for communicating geographical location in a cellular network comprising:

determining the geographical location (geo-location) of a mobile unit operating in a region;

receiving a compressed geo-location data of the mobile unit and an identification code corresponding to a cellular system covering said region;

recovering the geo-location of the mobile unit by comparing the compressed geo-location data against a reference positional data, said reference positional data obtained from the received identification code.

1 17. A method of claim 16, wherein the identification code is a system
2 identification code of the cellular system covering said region.

1 18. A method of claim 16, wherein the identification code is one of a cell cite, a
2 point code of a home location register, a point code of a visiting location register or a point
3 code of a mobile switch center.

1 19. A method of claim 16, wherein determining the geo-location of the mobile
2 unit using a Global Position System.

1 20. A method of claim 16, wherein the compressed geo-location data is in units
2 of latitude and longitude.

1 21. A method of claim 20, wherein the compressed geo-location data includes
2 one least significant degree digit of the latitude and at most two least significant degree
3 digits of the longitude.

1 22. A method of claim 21, wherein recovering the most significant degree digit
2 of the latitude and at least the most significant degree digit of the longitude.

1 23. A mobile asset tracking system comprising:
2 a plurality of geographical references, each having reference positional data;
3 a mobile asset installed with a mobile unit operating in a region covered by a
4 geographical reference, the mobile unit to determine the geographical location (geo-
5 location) of the mobile asset and to report a compressed geo-location data of the mobile
6 asset; and

7 a locator to receive the compressed geo-location data of the mobile unit and to
8 determine the geo-location of the mobile asset by comparing the compressed geo-location
9 data against a reference positional data of the reference covering said region.

1 24. A system of claim 23, wherein the mobile unit determines the geo-location
2 using a Global Position System.

1 25. A system of claim 23, wherein the compressed geo-location data is in units
2 of latitude and longitude.

1 26. A system of claim 25, wherein the compressed geo-location data includes at
2 most one least significant degree digit of the latitude and at most two least significant
3 degree digits of the longitude.

1 27. A system of claim 26, wherein the locator determines the most significant
2 degree digit of the latitude and at least the most significant degree digit of the longitude.

1 28. A system of claim 23, wherein the compressed geo-location data is
2 transmitted through a cellular network.

ABSTRACT

A system and method for efficiently transmitting geographical location data of mobile units is disclosed. The invention allows less than the complete geographical location data to be transmitted and reported to a locator. Using fixed geographical references, the locator then interpolates the complete geographical location of mobile units from the reported data.

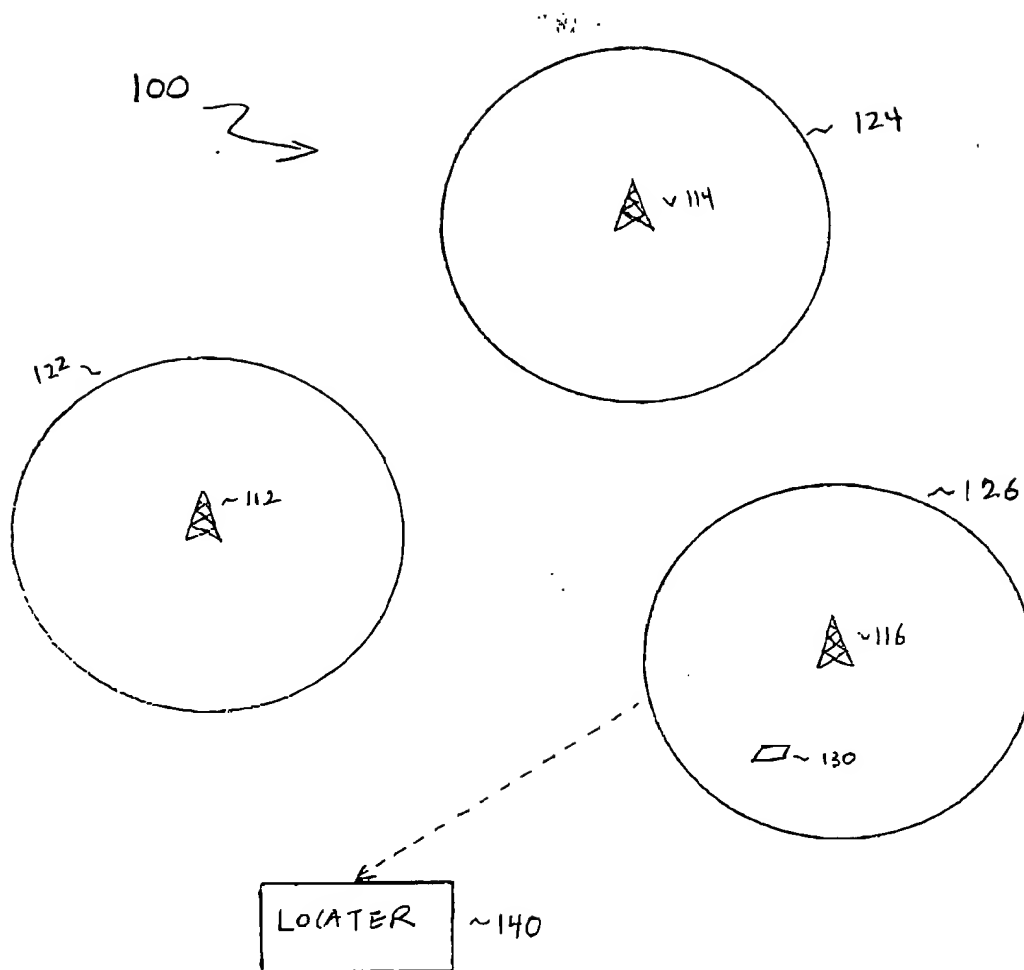


FIGURE 1

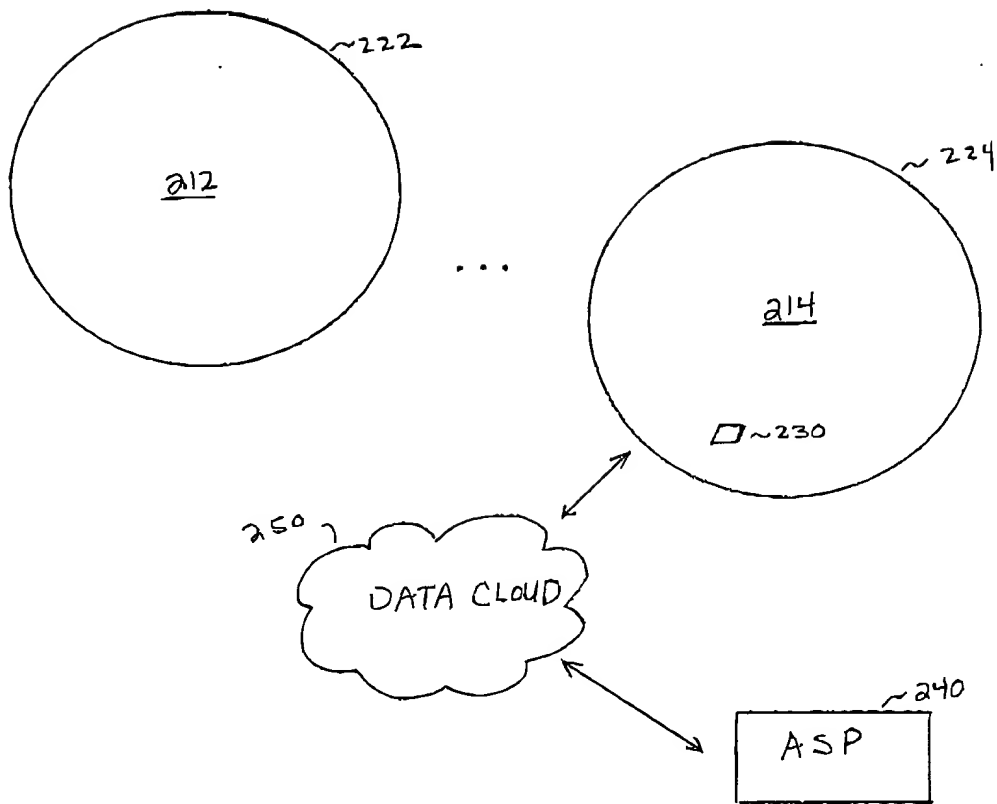


FIGURE 2

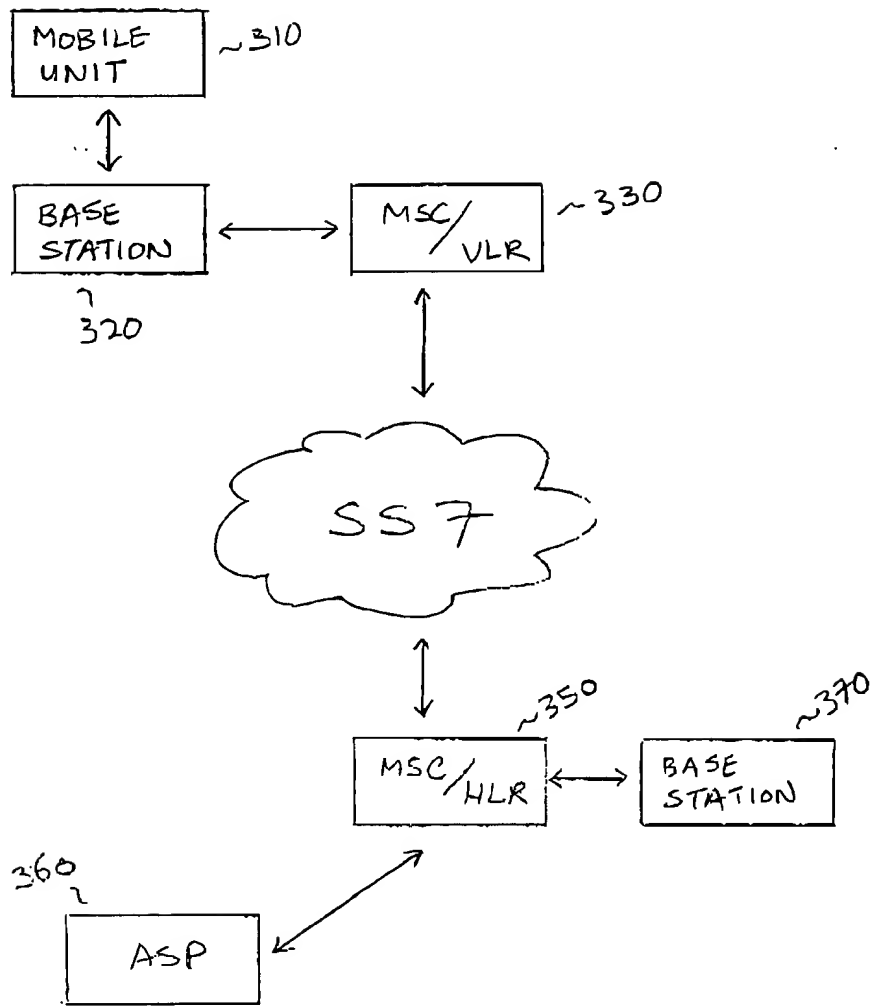


FIGURE 3

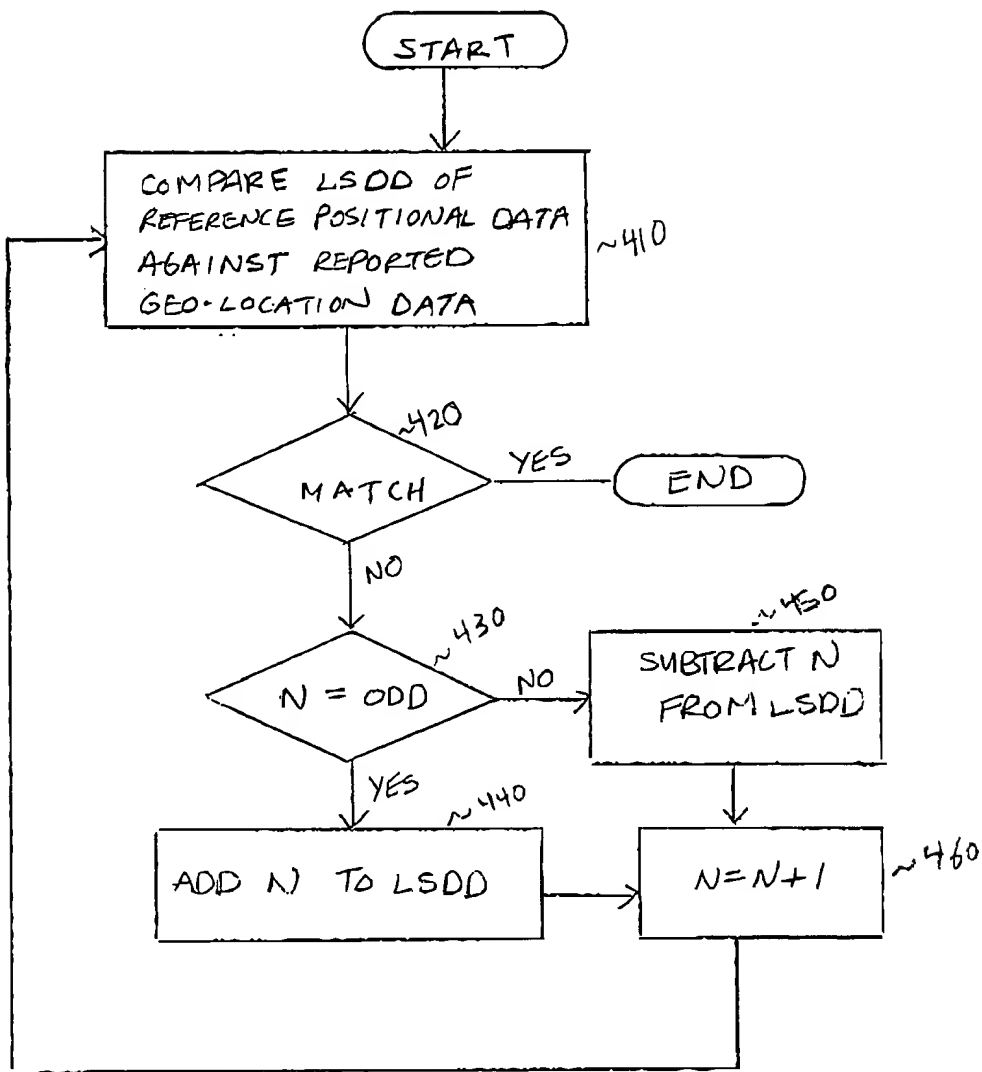


FIGURE 4

EXHIBIT C

Atty. Docket No. 004711.P006
Express Mail Label No. EL851137150US

UNITED STATES PATENT APPLICATION

FOR

METHOD FOR GEO-LOCATION INTERPOLATION AND COMPRESSION

INVENTORS:

Ki Y. Nam

Gallin C. Chen

William J. Northrup

PREPARED BY:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

12400 Wilshire Boulevard

Seventh Floor

Los Angeles, California 90025

(714) 557-3800

Method for Geo-Location Interpolation and Compression

Field

The invention relates to a locating system and more particularly, to a geographic position communication system that allows a transmission of compressed geographic position data.

Background

Determining the geographical positions of mobile units has recently become important for a wide range of applications. For example, a locator can be used to locate a stolen car, to provide security in transport of objects and to provide direction services through which the location of, for example, the nearest gas station, restaurant, or hospital can be determined. In cellular telephones, determining the geographical position may help subscribers in events such as a car failure, accident or crime.

While the cellular telephone can facilitate voice communication in these situations, the subscriber must first have knowledge of the subscriber's location. Accordingly, many techniques are being considered and developed to provide automatic location capability. The geographical location (hereinafter "geo-location") of a mobile unit can then be transmitted to a locator for application.

However, in many applications, the cost for transmitting data depends on the amount of data passed. Therefore, transmitting the geo-location data using a limited data payload can reduce costs.

BRIEF SUMMARY OF THE INVENTION

The method and system allows a transmission of compressed geographical location data of mobile units to reduce the amount of data payload. Using a plurality of references, each having a reference positional data, a locator receives a compressed positional data of a mobile unit and determines the geographic position of the mobile unit. In one embodiment, the locator determines the geographic position by comparing the compressed position data against a reference positional data.

Also, the method and system of transmitting compressed geographical location may be implemented into an existing system or references. For example, in one embodiment, a cellular network is used in transmitting the compressed geographical location data. In one embodiment, the geographical location of a mobile is determined using the Global Position System technology.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention will be described in detail with reference to the following drawings in which like reference numerals refer to like elements wherein:

Figure 1 illustrates a geographical location communicating system in accordance to
5 the invention;

Figure 2 illustrates a cellular network in accordance to the invention;

Figure 3 illustrates a roaming mobile unit in a cellular network in accordance to the invention; and

Figure 4 illustrates a geographical location interpolation procedure in accordance to
10 one embodiment of the invention.

DETAILED DESCRIPTION

In the following description, specific details are given to provide a thorough understanding of the invention. For example, some circuits are shown in block diagram in order not to obscure the present invention in unnecessary detail. However, it will be understood by those skilled in the art that the present invention may be practiced without such specific details.

As disclosed herein, the term "mobile unit" refers to any remote device such as a cellular phone, cellular telephone equipment, or a beacon. The term "mobile asset" refers to any object capable of movement, such as a motor vehicle, a boat, or a bicycle. The term "transmission" refers to sending data over a communication line, and may include both wired and wireless transmission. The term "locator" refers to any positioning server including, but not limited to an Application Service Provider (ASP). Also, the term "geographical position" and "geographical location" will be used interchangeably.

Generally, transmission of less than the complete geographical position ("geo-location") data of mobile units is achieved using a set of references. Here, a set of references already existing independently can be used to implement the invention. By referring to the geographical location of a reference, the complete geo-location of mobile units can be recovered from transmissions of a compressed or reduced geo-location data. Reducing the geo-location data of mobile units saves space and/or fits the positional data within an allowed size of a transmitted data payload, sometimes referred to as a single data packet.

Figure 1 shows an exemplary embodiment of a geo-location communication system 100 in accordance with the invention including a plurality of references 112 ~ 116, each

respectively covering a region 122 ~ 126. Although the regions 122 ~ 126 are shown to cover an area in the shape of circles, the regions 122 ~ 126 may be in any shape including but not limited to a square, a rectangle and a hexagon. Also, the references 112 ~ 116 are stationary with fixed geo-locations to be determined and set as reference positional data.

5 A locator 140 receives a compressed geo-location data of a mobile unit 130 and a reference data corresponding to the reference 116 covering the region 126 which contains the mobile unit 130. The compressed geo-location data may be sent to the locator 140 by a wireless or wired transmission. The reference data corresponding to the reference 116 may also be sent by a wireless or wired transmission.

10 In one embodiment, the reference data may be an assigned identification (ID) code of the reference 116. For example, a unique ID code can be assigned to each reference 112 ~ 116 and stored with the corresponding reference positional data at the locator 140. Since the reference positional data for each reference may be predetermined, when a locator 140 receives an ID code with the compressed geo-location data of a mobile unit 130, the
15 reference positional data can be obtained using the ID code. In another embodiment, the reference data may be the reference positional data of a reference, in which case the reference positional data need not be stored at the locator 140. In such case, the reference positional data may also be predetermined and stored at each corresponding references. Moreover, in some applications, as will be discussed in more detail below, the reference
20 data may be a parameter that is automatically transmitted within a system as part of the normal operations.

When the reference positional data of the reference 116 is obtained using the received reference data, the locator 140 recovers the complete geo-location data of the

mobile unit 130 using the received compressed geo-location data. The particular methods to recover the complete geo-location data vary based upon the method used to compress the geo-location data. Namely, there may be many ways to compress the geo-location data of a mobile unit in accordance with the invention, one of which is to compress the geo-location data of a mobile unit by truncation based upon the differences in positions among the references.

Generally, if the positional difference between two references is approximately x number of digits, the geo-location of a mobile unit needs to be determined to the nearest x number of digits. The rest can be recovered from the reference positional data.

Accordingly, the digits left of x number of digit(s) may be truncated in the geo-location data of the mobile unit. For example, assume that a reference positional data of the reference 112 in Figure 1 is 165 in measured units, a reference positional data of the reference 116 is 173 units, and a geo-location data of the mobile unit 130 is 171. Since the positional difference between the references 112 and 116 is 8 units, the digits left of the least significant digit can be truncated. Therefore, the least significant digit of "1" is the compressed geo-location data of the mobile unit 130 and is transmitted to the locater 140. Thereafter, the complete geo-location data of the mobile unit can be recovered using the reference data.

As there may be many ways to compress the geo-location data of a mobile unit, there may also be more than one method to recover the complete geo-location data from the geo-location data compressed by truncation. In one embodiment, an iterative comparison is used to interpolate and recover the complete geo-location of mobile units. The comparison is between the truncated geo-location data of a mobile unit and the reference positional data corresponding to the reference data received. In the given example, the reference data

corresponding to the reference 116 would be received since the mobile station 130 is within the region 126 covered by the reference 116. Accordingly, the least significant digit "3" of the reference positional data 173 is compared with the truncated geo-location data of "1."

In the comparison, if there is no match, the value of the reference positional data is
5 adjusted and re-compared with the truncated geo-location data of "1" until a match is found. In one embodiment, the reference positional data is adjusted as follows, in which the reference positional data is incremented and decremented by a predetermined unit.

Assuming a predetermined unit of "1," a unit of "1" is added to the reference
positional data and the resulting least significant digit "4" of 174 is compared
10 with the truncated data of "1." No match. Subtracting "1" unit, the least
significant digit "2" of 172 is compared with "1." No match. Adding "2" units,
the least significant digit "5" of 175 is compared with "1." No match. Finally,
subtracting "2" units, the least significant digit "1" of 171 is compared with "1"
and a match is found.

15 The geo-location of the mobile unit 130 is then determined as 171 units.

Although the system and method of locating a mobile unit as described above
generates a fairly efficient and accurate result, an error checking procedure may further be
implemented to improve the accuracy of the determined geo-location. In one embodiment,
the error checking procedure checks the geo-location of a mobile unit to determine if the
20 interpolated geo-location of the mobile unit falls within the boundary of the region covered
by the reference corresponding to the reference data received. Continuing with the example
above, the interpolated geo-location of the mobile unit 130, i.e. 171 units, is checked to
determine if it falls within the boundary of the region 126 covered by the reference 116.

Since the area of the region covered by each reference can be approximated, the boundary of each region may be predetermined. In determining the boundary, the area of each region can be overestimated or underestimated to achieve a lower or higher confidence level for the error-checking procedure.

5 By reducing the amount of information that is transmitted to a locator, the invention can be integrated in a wide variety of systems and applications that require a transmission of geo-location data using a limited data payload.

Figure 2 shows one of many possible implementations of the invention, in which a cellular network 200 is used to transmit the compressed geo-location data of mobile units.

10 The cellular network 200 includes a plurality of cellular systems 212 ~ 214, each having an assigned system identification (SID) code and each respectively covering a region 222 ~ 224. Generally, a cellular system in which a mobile unit is registered is the home system of the mobile unit. When a mobile unit is activated, the SID of the system in which the mobile unit is operating is broadcasted as part of the normal operations in order to service the

15 mobile unit. If the mobile unit is operating outside of its home system, the mobile unit is said to be "roaming."

Figure 3 shows an example of a roaming mobile unit 310 in the cellular network 200. Messages from the mobile unit 310 are received by a base station 320 and processed by a visiting location register (VLR) of a mobile switch center (MSC) 330. The VLR 330

20 forwards a data payload, including an Electronic Serial Number (ESN) of the mobile unit 310, the SID and the compressed geo-location data, to a home location register (HLR) of a MSC 350 through Signaling System 7. Here, the ESN is a code assigned to uniquely identify the mobile unit 310. The HLR 350 processes and re-transmits the data to an ASP

360 to provide the service required by the mobile unit 310. Note, that if a mobile unit were operating within its home system, the SID would be known. Hence, the ESN and the compressed geo-location data may be transmitted to the HLR 350 through a base station 370. Figure 3 is an exemplary application of system and method to transmit compressed
5 geo-location data using one base station and one mobile unit, various combinations of base stations and mobile units may be used without departing from the spirit and scope of the invention.

Referring back to Figure 2, if a mobile unit 230 is activated, the SID of the system 214 and the compressed geo-location data of the mobile unit 230 would be received by an
10 ASP 240 through a data cloud 250 as described above. Moreover, the geo-location for each SID is stored at the ASP 240 as part of the system operation. Accordingly, the SID is used as the reference data and the ASP 240 can extract the geo-location data associated with the SID to be used as the reference positional data. The ASP 240 can then determine the complete geo-location data of the mobile unit 230 from the geo-location data using the
15 reference positional data.

By using the SID as the reference data, additional data for use as the reference data need not be sent in the data payload for determining the geo-location of a mobile unit. Therefore, the reference data need not be sent in the data payload. Moreover, in cellular systems, the data payload is transmitted through different channels. Control channels are
20 used to initiate a call and a voice channel is used after a call is initiated. Although any channel can be used, in one embodiment, the data payload including the compressed geo-location data is transmitted as part of the overhead using a control channel. The compressed geo-location data may also be transmitted within the ESN or within the digits dialed by a mobile unit. While the above cellular system has been described using the SID

as the references, other information can be used as such as a cell cite within a cellular system or the point code of equipments such as the HLR, the VLR or the MSC that transports the data.

Furthermore, one of many ways by which a mobile unit can determine its geo-
5 location is by using the Global Positioning System (GPS) technique. GPS is a constellation of 24 satellites that makes it possible for GPS receivers to determine their geographic location. Generally, each satellite continually broadcasts its changing position and time and a GPS receiver triangulates its geographic location by receiving bearings from three satellites. The result is provided in units of latitude and longitude. Using a fourth satellite,
10 the receiver can also determine altitude as well as the geographic position.

In one embodiment which implements the GPS in the cellular network 200 above, a mobile unit is a GPS receiver and obtains its geo-location data from the GPS in units of latitude and longitude. The latitude and longitude reported by the mobile unit each contains 1 digit of the degree portion. For instance, if the latitude is 23 degrees, the second 3 will be
15 reported and if the longitude is -117, the 7 will be reported. Digits representing the minutes of the latitude and longitude are completely reported. Thus, the ASP 360 of Figure 3 determines the most significant digit of the latitude and the 2 most significant digits of the longitude. These can be determined because the SID is also contained in the data the ASP 360 receives from the HLR 350. Based on how finite and precise the reference is, the less
20 or more digits can sometimes be interpolated.

For example, the difference in latitude across regions typically covered by a cellular system in the United States is approximately 2 degrees. Therefore, the ASP need to

determine the latitude to the nearest 10 degrees. The rest is recovered through the SID or the reference. This is the same for the longitude.

Accordingly, when a message comes in, the ASP starts with the latitude and the longitude of the reported SID, namely the reference positional data. The reported latitude,
5 i.e. the truncated geo-location data, is checked against the least significant degree digit (LSDD) of the reference positional data. If the digits match, the reference's more significant digits are the same as the mobile unit's. Otherwise, the LSDD of the reference positional data is incremented and/or decremented in units of 1 degree until a match is found. The same process is repeated for the longitude.

10 Figure 4 shows one embodiment of the interpolation procedure 400 to determine the geo-location data of a mobile unit. The LSDD of the reference positional data is checked against the reported geo-location data (block 410). If there is no match, a determination is made whether the increment/decrement unit of N is odd (blocks 420 and 430). The value of N is initially set 1. If N is odd, N is added to the LSDD (block 440). Otherwise, N is
15 subtracted from the LSDD (block 450). Thereafter, the value of N is increased by 1 (block 460) and the LSDD is checked against the reported geo-location data (block 410). If there is a match, the process ends. The more significant degree digits of the reference positional data are determined to be the same as the mobile unit's.

For example, assume an approximate location for SID number 00488 in Provo, Utah
20 is 40 degrees 13.66 minutes North latitude and 111 degrees 39.12 minutes West longitude. A mobile unit roughly 20 miles south of Provo on Interstate 15 would report something like 9 degrees 58.30 minutes latitude and 1 degree 48.00 minutes longitude. Looking first at the longitude, the reported 1 degree matches the third 1 in 111 degrees. The ASP would then

determine that the mobile unit's longitude is 111 degrees 48 minutes West. Turning to the reference latitude of 40 degrees, 0 does not equal 9. Therefore, adding a value of 1 to the reference latitude yields 41 degrees. Since 1 does not equal 9, a value of 1 is subtracted from the original reference latitude yielding 39 degrees. Here, the LSDD of the reference
5 latitude matches 9 and the latitude of the mobile unit is determined as 39 degrees 58.30 minutes North.

In the interpolation procedure 400, the LSDD can first be decremented and then incremented to be compared against the reported geo-location data. Alternatively, the LSDD can simultaneously be incremented and also decremented, in which case an
10 incremented LSDD and a decremented LSDD would be compared against the reported geo-location data. Furthermore, if an error checking procedure has been implemented, the ASP would check whether the mobile unit falls within the region covered by the SID number 00488.

As described above, reduced geo-location data of mobile units can be transmitted to
15 a locator and recovered using reference positional data. Moreover, the system and method for transmitting the reduced geo-location data can easily be implemented using a system of references already existing, such as the cellular network. Therefore, the geo-location communication system and method in accordance with the invention can be applied in a wide range of application.

20 A tracking and communication device is one application in which the present invention can be implemented. A mobile unit can be installed in a mobile asset such as an automobile to track the vehicle's location using, for example, the GPS technology. When polled by a user, the vehicle's location may be reported using mobile unit in the form of

compressed geo-location data. Here, the cellular network can be used, as described above. For example, the mobile unit reports its geo-location when a driver activates a signal to notify a service center that the driver needs roadside assistance. Also, an alarm system can monitor the vehicle's alarm system to notify a service center that the alarm has been

5 activated and to give the geo-location. In still another embodiment, the mobile unit can actively broadcast its geo-location in predetermined intervals without being polled by a user.

While several examples uses and implementation of the invention have been described, it will be understood by one of ordinary skill in the art that the invention is not

10 limited to these uses. For example, the present invention can be used for locating the position of mobile units in air and/or sea. Therefore, the foregoing embodiments are merely exemplary and are not to be construed as limiting the present invention. The present teachings can be readily applied to other types of apparatuses. The description of the present invention is intended to be illustrative, and not to limit the scope of the claims.

15 Many alternatives, modifications, and variations will be apparent to those skilled in the art.

CLAIMS

What is claimed is:

- 1 1. A geographical location communication system comprising:
2 a plurality of references, each having reference positional data;
3 a mobile unit within a region covered by a reference, the mobile unit capable of
4 determining the geographical location (geo-location) of the mobile unit; and
5 a locator to receive compressed geo-location data of the mobile unit and to
6 determine the geo-location of the mobile unit by comparing the compressed geo-location
7 data against the reference positional data of the reference covering said region.
- 1 2. A system of claim 1, wherein the mobile unit determines the geo-location
2 using a Global Position System.
- 1 3. A system of claim 1, wherein the compressed geo-location data is in units of
2 latitude and longitude.
- 1 4. A system of claim 3, wherein the compressed geo-location data includes at
2 most one least significant degree digit of the latitude and at most two least significant
3 degree digits of the longitude.
- 1 5. A system of claim 4, wherein the locator determines the most significant
2 degree digit of the latitude and at least the most significant degree digit of the longitude.
- 1 6. A method for communicating geographical location comprising:

EXHIBIT D



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 6453

SERIAL NUMBER 09/894,344	FILING DATE 06/28/2001 RULE	CLASS 455	GROUP ART UNIT 2681	ATTORNEY DOCKET NO. 4711P006	
APPLICANTS Ki Y. Nam, Newport Beach, CA; Gallin C. Chen, Huntington Beach, CA; William J. Northrup, Oceanside, CA;					
** CONTINUING DATA ***** THIS APPLN CLAIMS BENEFIT OF 60/215,740 06/29/2000					
** FOREIGN APPLICATIONS *****					
IF REQUIRED, FOREIGN FILING LICENSE GRANTED** SMALL ENTITY ** ** 08/17/2001					
Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Verified and Acknowledged _____ Examiner's Signature _____ Initials _____		STATE OR COUNTRY CA	SHEETS DRAWING 4	TOTAL CLAIMS 28	INDEPENDENT CLAIMS 5
ADDRESS 08791					
TITLE Method for geo-location interpolation and compression					
FILING FEE RECEIVED 507	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		